

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number  
**WO 2005/021495 A3**

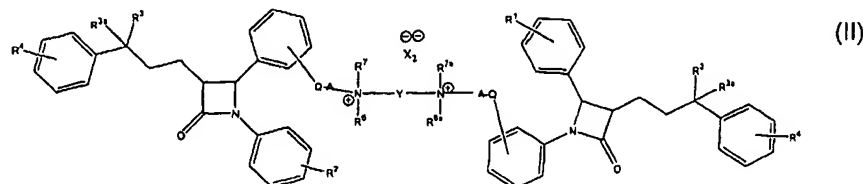
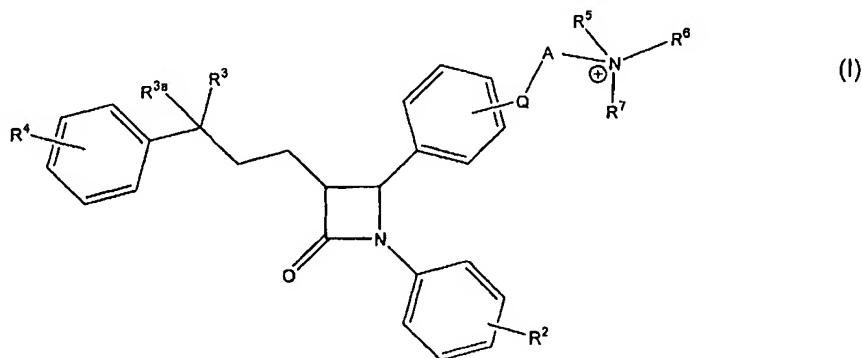
- (51) International Patent Classification<sup>7</sup>: **C07D 227/087**, 403/14, 403/12, 403/10, 401/10, 401/12, 453/02, 487/08, A61P 3/06, A61K 31/4995
- (21) International Application Number:  
PCT/US2004/027540
- (22) International Filing Date: 25 August 2004 (25.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/497,590 25 August 2003 (25.08.2003) US
- (71) Applicant (for all designated States except US): **MICROBIA INC.** [US/US]; 320 Bent Street, Cambridge, Massachusetts 02141 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MARTINEZ, Eduardo J.** [US/US]; 271 North Street, Apt. 1, Boston, Massachusetts 02113 (US). **TALLEY, John Jeffrey** [US/US]; 96 North Street, #3, Somerville, Massachusetts 02144 (US).
- (74) Agents: **HANSEN, Philip E. et al.**; HESLIN ROTHENBERG FARLEY & MESITI P.C., 5 Columbia Circle, Albany, NY 12203 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: QUATERNARY SALT DERIVATIVES OF 1,4-DIPHENYLAZETIDIN-2-ONES



(57) Abstract: Quaternary salt derivatives of 1,4-diphenylazetidin-2-ones useful for the treatment of hypercholesterolemia are disclosed. The compounds are of the general formulae (I), and (II) as well as isomers of these formulae.



(88) Date of publication of the international search report:  
28 April 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*